

___ New ___ Update
___ Entire Known EO
___ SubEO[s] only

CT Department of Environmental Protection
Natural Diversity Data Base
Element Occurrence (EO)
SPECIAL PLANT SURVEY FORM

Reporter: _____
Adrs. & Tel: _____

Species Name: _____ Element Code: _____ Occ.#: _____

Site: _____ Survey Date: _____ Source Code: _____

Quad Name(s): _____ Survey Date: _____ Source Code: _____

Town(s): _____ Survey Date: _____

Full extent of EO known and mapped by reporter? ___ Yes ___ No Other: _____

Directions to EO:

Mapping Details:

___ Location mapped within 6.25m (corrected GPS or precisely bounded area) GPS Coordinates (Optional) Preferred Datum: NAD 83

Add buffer, if needed, to indicated location for uncertainty:

Model: _____

None 25 100 1000 (radius, meters)

Accuracy: _____

50 500 1500 Custom: _____

GPS data post processed?: Y / N

Explain boundaries: (If the observed area is known to be somewhere within a bounded area on the map, please draw the boundary with dashed lines, describe features.)

BIOLOGY

Population Area

Length (units)

Width (units)

Area (units)

Population Size

Ramets

Genets

___ Actual # ___
or

___ Estimated ___
(or range)

Phenology

___ %In leaf

___ %In bud

___ %In flower

___ %Immature fruit

___ %Mature fruit

___ %Seed dispersing

___ %Dormant

Age Structure

___ % Seedlings

___ % Immature

___ % 1st year

___ % Mature
(established)

___ % Senescent

___ Age structure
unknown

Vigor

___ Very feeble

___ Feeble

___ Normal

___ Vigorous

___ Exceptionally
vigorous

Comments on above:

Evidence of disease, predation or injury? ___ Yes ___ No Explain: _____

HABITAT

Aspect

___ N ___ NE

___ E ___ NW

___ S ___ SE

___ W ___ SW

___ Flat

___ ° re true N

___ ° re mag N

Slope

___ 0-3%

___ 3-8%

___ 8-15%

___ 15-35%

___ 35%-vertical

___ measured (° or %)

___ Horizontal shape (as for next item)

___ Vertical shape (i.e. convex, concave, straight, variable)

Light

___ Open

___ Partial

___ Filtered

___ Shade

Topographic position

___ Crest

___ Upper Slope

___ Mid-Slope

___ Lower-Slope

___ Bottom

Other _____

Moisture

___ Permanently Inundated

___ Seasonally Inundated/Exposed

___ Tidally Inundated/Exposed

___ Saturated (Hydric)

___ Moist (Mesic)

___ Dry-Mesic

___ Dry (Xeric)

Other: _____

Elevation: _____ ft to _____ ft NGVD

Evidence of disturbance: ___ fire ___ logging ___ disease ___ insect damage ___ windthrow ___ invasives

Comments: _____

Cross section of topography / habitat (include scale, direction, element position, description, and suboccurrence ID[s], if needed):

Associated natural/plant community(ies):

Associated
plant species
(separate strata
e.g. tree, shrub,
herb layers.):

Soil/substrate name/description(give source):

Estimated # of acres of potential habitat in the immediate area:

IDENTIFICATION

Photograph taken? ☐ Yes ☐ No Photo ID:

Specimen taken* ☐ Yes ☐ No If yes, give collector, collection # and repository:

Identification problems? ☐ Yes ☐ No Explain:

*DEP Scientific Collection Permit is needed to collect specimens.

CONSERVATION

Owner info:

Owner aware of EO? ☐ Yes ☐ No ☐ Unknown Owner protecting EO? ☐ Yes ☐ No ☐ Unknown

Threats to EO:

Conservation/management needs:

Research needs:

SUMMARY

For each category assign a letter rank as follows: A-Excellent B-Good C-Marginal D-Poor E-Unable to assess

EO Size: (Compare area of occupancy, population abundance, density and fluctuation, with other occurrences in the region.)

Rank: Comments:

EO Condition: (Reproduction and health, species composition and biological structure, ecological processes, abiotic physical/chemical factors)

Rank: Comments:

Landscape Context: (Landscape structure and extent, and condition of the surrounding landscape)

Rank: Comments:

EO Rank: (ie, A summary of all factors listed above.) A B C D E

Comments:

Attachments:

- ☐ Sketch map (showing finer detail than topo or aerial photo)
☐ Aerial photo base EO location map
☐ USGS quad base EO location map
☐ Prints ☐ Slides ☐ Field notes ☐ Route of survey map

Return completed form to:
DEP, BNR-Wildlife Division
79 Elm Street, 6th Floor
Hartford, CT 06106-5127